calculating a right side interpolation component for the central present pixel

based on a ½ value of the pixel data of the central present pixel and the adjusting value

applied with a polarity;

calculating a left side interpolation component for the central present pixel based

on a ½ value of the pixel data of the central present pixel and the adjusting value

applied with the polarity; and

adding the right side interpolation component of a present pixel on the left side of

an assumption pixel to be interpolated to the left side interpolation component of

another present pixel on the right side of the assumption pixel, thereby obtaining a pixel

data for the assumption pixel.

24. (Once Amended) A method for interpolating a video signal having a plurality

of present pixels comprising the steps of:

identifying pixel data of five sequential present pixels in a direction selected from

a horizontal direction, vertical direction and oblique direction as a first pixel data, a

second pixel data, a third pixel data, a fourth pixel data and a fifth pixel data in order;

obtaining a first value obtained by adding together an absolute value of the

difference between the first and second pixel data and an absolute value of the

difference between the second and third pixel data;

obtaining a second value obtained by adding together an absolute value of the

difference between the second and third pixel data and an absolute value of the

difference between the third and fourth pixel data;

obtaining a third value obtained by adding together an absolute value of the

difference between the third and fourth pixel data and an absolute value of the